

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT No. : 7,042,861 B1

Application No. 09/786,945 Page 1 of 3

DATED : May 9, 2006

INVENTOR(S): KOWALEWSKI, Frank

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, line 14 change "is the quality" to --if the quality--

Column 2, line 28 change from " $\delta \sim g$ " to --  $\delta \cdot \underline{g}$  --

Column 2, line 37, change from " $\underline{g}^{T-A} \sim (S^T - A \cdot \underline{\hat{d}}^T)$ ," to --

$$\underline{g}^{T=A^H} \cdot (\underline{s}^T - A \cdot \underline{\hat{d}}^T) \text{ --}$$

Column 3, line 3, change from " $\delta \sim g$ " to --  $\delta \cdot \underline{g}$  --

Column 3, line 5, change from to " $\delta \sim g$ " to --  $\delta \cdot \underline{g}$  --

Column 3, line 6, change from "approximation term  $\underline{g}$ " to --approximation term  $\underline{g}$  --

Column 3, line 55, change from " $\underline{a}^{(k)} = (d^{(k)}_1 \sim c^{(k)}_1, \dots, d^{(k)}_1 \sim c^{(k)}_Q, \dots, d^{(k)}_M \sim c^{(k)}_1, \dots, d^{(k)}_M \sim c^{(k)}_Q)$ " to

$$\underline{a}^{(k)} = (d^{(k)}_1 \cdot c^{(k)}_1, \dots, d^{(k)}_1 \cdot c^{(k)}_Q, \dots, d^{(k)}_M \cdot c^{(k)}_1, \dots, d^{(k)}_M \cdot c^{(k)}_Q) \text{ --}$$

Column 4, line 28, change from " $\underline{s}^T = A \sim \underline{\hat{d}}^T + \underline{n}^T$ " to -- $\underline{s}^T = A \cdot \underline{\hat{d}}^T + \underline{n}^T$ --

Column 4, line 33, change from " $\underline{\hat{d}}^T = A^H \sim \underline{s}^T$ " to -- $\underline{\hat{d}}^T = A^H \cdot \underline{s}^T$ --

Column 4, line 39, change from " $\underline{\hat{d}}^T = (A^H \sim A)^{-1} \sim A^H \sim \underline{s}^T$ " to

$$\underline{\hat{d}}^T = (A^H \cdot A)^{-1} \cdot A^H \cdot \underline{s}^T \text{ --}$$

Note

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Page 2 of 3

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INVENTOR(S): KOWALEWSKI, Frank

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Column 4, line 43, change " $+\delta \cdot g$ " to  $-- + \delta \cdot \underline{g} --$

Column 4, line 47, change from " $\delta = \|g^2\|$ " to  $-- \delta = \|\underline{g}\|^2 --$

$$\frac{\|A \cdot g\|^2}{\|A \cdot \underline{g}\|^2}$$

Column 5, line 37, change from " $\delta \cdot g$ " to  $-- \delta \cdot \underline{g} --$

Column 5, line 40, change from "approximation term  $g$ " to  
--approximation term  $\underline{g}$  --

Column 5, line 43, change from " $\delta \cdot g$ " to  $-- \delta \cdot \underline{g} --$

Column 5, line 45, change from "approximation term  $g$ " to  
--approximation term  $\underline{g}$  --

Column 5, line 47, change from "approximation term  $\delta \cdot g$ " to  
-- approximation term  $\delta \cdot \underline{g}$  --

Column 5, line 65, change from "is a quality" to -- if a quality--

Column 6, line 7, change from " $\delta \cdot g$ " to  $-- \delta \cdot \underline{g} --$

Column 6, line 12, change from " $\delta = \|g^2\|$ " to  $-- \delta = \|\underline{g}\|^2 --$

$$\frac{\|A \cdot g\|^2}{\|A \cdot \underline{g}\|^2}$$

Column 6, line 58, change from "approximation term  $\delta \cdot g$ " to  
-- approximation term  $\delta \cdot \underline{g}$  --

Note

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DATED : May 9, 2006	
INVENTOR(S): KOWALEWSKI, Frank	

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 62, change from "δ~g includes" to -- δ<sub>g</sub> includes --

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